

What is claimed is:

1. An optical pickup which condenses light emitted from a light source using an objective lens and irradiates the light on an optical recording medium in order to record data on the optical recording medium and/or reproduce the data recorded on the optical recording medium, comprising:
 - 5 an optical element for adjusting the convergence and/or divergence of light emitted from the light source and then proceeded to the objective lens.
2. The optical pickup of claim 1, wherein the optical element is a hologram
10 optical element that can adjust the convergence and/or divergence of incident light.
3. The optical pickup of claim 1, further comprising a collimating lens, wherein the light emitted from the light source is converted into parallel light after passing through the collimating lens and the optical element.
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4. The optical pickup of claim 3, wherein the collimating lens has a focal length of 14 mm or less.
5. The optical pickup of any one of claims 1 through 4, wherein the optical
20 pickup has a slim structure.
6. The optical pickup of claim 3 or 4, wherein the optical element is disposed between the light source and the collimating lens.
- 25 7. The optical pickup of claim 6, further comprising a beam shaping device which is disposed between the collimating lens and the objective lens and makes the shape of the light.

8. The optical pickup of claim 3 or 4, further comprising a beam shaping device which is disposed between the collimating lens and the objective lens and makes the shape of the light.

5 9. The optical pickup of any one of claims 1 through 4, wherein the light source includes a plurality of light sources for emitting light having different wavelengths and the optical element includes at least one optical element for adjusting the convergence and/or divergence of light emitted from at least one of the plurality of light sources so that the optical pickup is a compatible optical pickup that can be used in a 10 plurality of optical recording media having different formats.

10. An optical recording and/or reproducing apparatus which records data on an optical recording medium and/or reproduces the data recorded on the optical recording medium using an optical pickup which condenses light emitted from a light source using an objective lens and irradiates the light on the optical recording medium, 15 wherein the optical pickup includes an optical element for adjusting the convergence and/or divergence of light emitted from the light source and then proceeded to the objective lens.

20 11. The optical recording and/or reproducing apparatus of claim 10, wherein the optical element is a hologram optical element that can adjust the convergence and/or divergence of incident light.

25 12. The optical recording and/or reproducing apparatus of claim 10, wherein the optical pickup further includes a collimating lens, and the light emitted from the light source is converted into parallel light after passing through the collimating lens and the optical element.

13. The optical recording and/or reproducing apparatus of claim 12, wherein
the collimating lens has a focal length of 14 mm or less.

14. The optical recording and/or reproducing apparatus of any one of claims
5 10 through 13, wherein the optical pickup has a slim structure.

15. The optical recording and/or reproducing apparatus of claim 12 or 13,
wherein the optical element is disposed between the light source and the collimating
lens.

10 16. The optical recording and/or reproducing apparatus of claim 15, wherein
the optical pickup further includes a beam shaping device which is disposed between
the collimating lens and the objective lens and makes the shape of the light.

15 17. The optical recording and/or reproducing apparatus of claim 12 or 13,
wherein the optical pickup further includes a beam shaping device which is disposed
between the collimating lens and the objective lens and makes the shape of the light.

18. The optical recording and/or reproducing apparatus of any one of claims 1
20 through 4, wherein the light source includes a plurality of light sources for emitting light
having different wavelengths and the optical element includes at least one optical
element for adjusting the convergence and/or divergence of light emitted from at least
one of the plurality of light sources so that the optical pickup is a compatible optical
pickup that can be used in a plurality of optical recording media having different formats.